



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Color Imaging System and Methods																
<p>Application Number: 09/736135 Confirmation Number: 8143 First Named Applicant: Kristina Johnson Attorney Docket Number: Art Unit: 2851 Examiner: William C. Dowling Search string: (5032007 or 5179459 or 5237435 or 5299039 or 5422756 or 5574580 or 5585950 or 5608551 or 2638816 or 5658490 or 5400095 or 5353075 or 4995702 or 5231432 or 5355188 or 5321450 or 4416514 or 4786964 or 4808501 or 5381253 or 5510861 or 5124818 or 4786146 or 5500523 or 5337174 or 5739881 or 5777709 or 5220447 or 5369513 or 5892612 or 6096375 or 4536063 or 5472538 or 6156433 or 6004417 or 5571567 or 5888603 or 5751384 or 5534949 or 6419362 or 6388718 or 6280034 or 6390626 or 6217174 or 5990996 or 5528393 or 5469279 or 5122887 or 4575193 or 2493200 or 4367924 or 4582396 or 4232948 or 4003081 or 4019808 or 4758818 or 5347378 or 5243455 or 5050965 or 5686931 or 4448823 or 4025164 or 5126864 or 4497543 or 4770500 or 4834508 or 4867536 or 5033825 or 4652087 or 4635051 or 4759612 or 4770525 or 4796978 or 4917464 or 4917465 or 4966441 or 4668086 or 5774264 or 5249071 or 5619355 or 5295009 or 5235443 or 5689317 or 3967881 or 5268782 or 5559634 or 5833360 or 4566761 or 4685773 or 6113239 or 5565933 or 5111315 or 5374968).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>WDS</td><td>1</td><td>5032007</td><td>1991-07-16</td><td>Silverstein, et al.</td><td></td><td>350</td><td>335</td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	WDS	1	5032007	1991-07-16	Silverstein, et al.		350	335
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass										
WDS	1	5032007	1991-07-16	Silverstein, et al.		350	335										

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2	5179459	1993-01-12	Plesinger	359	74
3	5237435	1993-08-17	Kurematsu et al.	359	41
4	5299039	1994-03-29	Bohannon	359	53
5	5422756	1995-06-06	Weber	359	487
6	5574580	1996-11-12	Ansley	359	41
7	5585950	1996-12-17	Nishino et al.	349	118
8	5608551	1997-03-04	Biles et al.	359	95
9	2638816	1953-05-19	Stolzer	88	61
10	5658490	1997-08-19	Sharp et al.	252	299.01
11	5400095	1995-03-21	Minich et al.	353	119
12	5353075	1994-10-04	Connor et al.	353	122
13	4995702	1991-02-26	Aruga	349	8
14	5231432	1993-07-27	Glenn	353	31
15	5355188	1994-10-11	Biles et al.	353	69
16	5321450	1994-06-14	Sharpiro et al.	353	119
17	4416514	1982-11-22	Plummer	349	80
18	4786964	1988-11-22	Plummer	348	270
19	4808501	1989-02-28	Chiulli	430	7
20	5381253	1995-01-10	Sharp et al.	349	18
21	5510861	1996-04-23	Minich	353	119
22	5124818	1992-06-23	Conner	359	53
23	4786146	1988-11-22	Ledebuhr	350	33IR
24	5500523	1996-03-19	Hamanaka	250	216
25	5337174	1994-08-09	Wada et al.	359	73
26	5739881	1998-04-14	Xu et al.	349	118
27	5777709	1998-07-07	Xu et al.	349	120
28	5220447	1993-06-15	Yokokura et al.	359	93
29	5369513	1994-11-29	Akatsuka et al.	359	73
30	5892612	2003-04-06	Miller et al.	359	250
31	6096375	2000-08-01	Ouderkirk et al.	427	163.1
32	4536063	1985-08-20	Southwell, William H.	359	488
33	5472538	1995-12-05	Minakuchi et al.	156	85
34	6156433	2000-12-05	Hatori et al.	428	411.1
35	6004417	1999-12-21	Roesch et al.	156	155
36	5571567	1996-11-05	Shah, Tilak M.	427	379
37	5888603	1999-03-30	Ferguson, James L.	428	46

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38	5751384	1998-05-12	Sharp	349	18
39	5534949	1996-07-09	Baron	348	742
40	6419362	2002-07-16	Ikeda et al.	353	20
41	6388718	2002-05-14	Yoo et al.	349	9
42	6280034	2001-08-28	Brennesholtz, Matthew S.	353	20
43	6390626	2002-05-21	Knox, Richard M.	353	20
44	6217174	2001-04-17	Knox, Richard M.	353	31
45	5990996	1999-11-23	Sharp	349	119
46	5528393	1996-06-18	Sharp et al.	349	74
47	5469279	1995-11-21	Sharp et al.	349	74
48	5122887	1992-06-16	Mathewson	349	80
49	4575193	1986-03-11	Greivenkamp, Jr.	359	495
50	2493200	1959-01-03	Land	359	250
51	4367924	1983-01-11	Clark et al.	350	334
52	4582396	1986-04-15	Bos et al.	350	347
53	4232948	1980-11-11	Shanks	350	347
54	4003081	1977-01-11	Hilsum et al.	358	64
55	4019808	1977-04-26	Scheffer	350	160 LC
56	4758818	1988-07-19	Vatne	340	701
57	5347378	1994-09-13	Handschy et al.	359	53
58	5243455	1993-09-07	Johnson et al.	359	93
59	5050965	1991-09-24	Conner et al.	359	53
60	5686931	1997-11-11	Funfschilling et al.	345	88
61	4448823	1984-05-15	Clifford	428	1
62	4025164	1977-05-24	Doriguzzi et al.	350	160 LC
63	5126864	1977-06-30	Akiyama et al.	350	337
64	4497543	1985-02-05	Aoki et al.	350	337
65	4770500	1988-09-13	Kalmanash et al.	350	347 E
66	4834508	1989-05-30	Ferguson	350	339 F
67	4867536	1989-09-19	Pidsosny et al.	350	337
68	5033825	1991-07-23	Ishikawa et al.	350	339
69	4652087	1987-03-24	Bos et al.	350	332
70	4635051	1987-01-06	Bos et al.	340	757
71	4759612	1988-07-26	Nakatsuka et al.	350	337
72	4770525	1988-09-13	Umeda et al.	353	122
73	4796978	1989-01-10	Tanaka et al.	350	337
74	4917464	1990-04-17	Conner	350	335

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76	4966441	1990-10-30	Conner	350	335
77	4668086	1987-05-26	Redner	356	33
78	5774264	1998-06-30	Konno et al.	359	497
79	5249071	1993-09-28	Yoshimizu et al.	359	63
80	5619355	1997-04-08	Sharp et al.	349	78
81	5295009	1994-03-15	Barnik et al.	359	65
82	5235443	1993-08-10	Barnik et al.	359	37
83	5689317	1997-11-18	Miller	349	97
84	3967881	1996-07-16	Moriyama	350	150
85	5268782	1993-12-07	Wenz et al.	359	81
86	5559634	1996-09-24	Weber	359	638
87	5833360	1998-11-10	Knox	362	293
88	4586781	1988-01-28	Carlsen et al.	350	401
89	4685773	1987-08-11	Carlsen et al.	350	401
90	6113239	2000-09-05	Sampsel et al.	353	31
91	5565933	1992-06-08	Reinsch	348	742
92	5111315	1992-05-05	Ledebuhr	349	5
93	5374968	1994-12-20	Haven et al.	353	31

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Compleat if Known

Application Number	09/736,135
Filing Date	12/15/2000
First Named Inventor	Johnson
Art Unit	2851
Examiner Name	W. Dowling
Attorney Docket Number	95121961.114002

Sheet	1	of	6
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ² Number ³ Kind Code ³ (if known)				
WSD		DE 4029838	03-28-1991	Hirakata et al.		
		JP 0121379	04-28-2000	Keizo et al.		
		JP 4022920	01-27-1992	Akishi et al.		
		WO95/26110	09-28-1995	Zavracky et al.		
		EP 553850A1	08-04-1993	Kawakami et al.		
WSD		WO90/09614	08-23-1990	Dahl et al.		

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First Named Inventor	Johnson
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Art Unit	2851
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Examiner Name	W. Dowling
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Attorney Docket Number	95121961.114002
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Sheet	2
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of 6

Attorney Docket Number	95121961.114002
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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^o
		Country Code* Number* Kind Code* (if known)	MM-DD-YYYY			
WDD		JP 56-137307A	10-27-1981	Teruhito		
		JP 63-182987A	07-28-1988	Mizuho		
1		JP 03-028823A	02-07-1991	Yasutaka et al.		
		JP 04-207774A	07-29-1992	Hiroshi		
WDD		JP 7-84218	03-31-1995	No name		

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W. Darling

Date _____

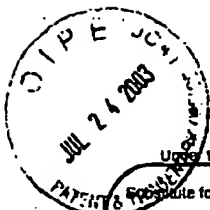
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Complete if Known

Application Number 09/736,135

Filing Date 12/15/2000

First Named Inventor Johnson

Art Unit 2851

Examiner Name Dowling

Attorney Docket Number 95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WD		U.S. application No. 07/967,218, Sharp et al., filed Oct. 27, 1992.	
		John Wiley & Sons, "Optical Waves In Layered Media," Pochi Yeh, A. Wiley-Interscience Publication (1988).	
		Pezzaniti, J.L. and Chipman, R.A., "Phase-only modulation of a twisted nematic liquid crystal TV by use of the eigenpolarization states," Optics Letters, vol. 18, No. 18 (1993), pp. 1567-2569.	
		Shannon, P.J., et. al., "Patterned Optical Properties in PhotoPolymerized Surface-Aligned Liquid-Crystal Films", Nature (1994), vol. 368, pp. 532-533.	
		Schmidt, Martin, et. al., "Photo-Generation of Linearly Polymerized Liquid Crystal Aligning Layers Comprising Novel, Integrated Optically Patterned Retarders and Color Filters," Jpn. J. Appl. Phys. (1995), vol. 34 pp. 3240-3249.	
		Sharp, Gary Dean. "Chiral smectic liquid crystal tunable optical fibers and modulators", 1992.	
		Scheffer, T.J., "New multicolor liquid crystal displays that use a twisted nematic electro-optical cell," J., Appl. Phys. (1973) 44(11):4799-4803.	
		Carlsen, W.J. and Buhner, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1978) 23(3):106-107.	
WD		Wright, H., et al., "Active filters enable color imaging," Laser Focus World (May 1996) 85-90.	

Examiner Signature	WD Dowling	Date Considered	7/24/07
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Application Number	09/736,135
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Art Unit	2851
Examiner Name	Dowling
Attorney Docket Number	95121961.114002

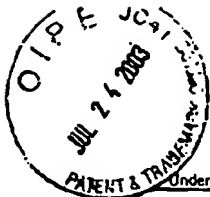
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WDS		Cambridge Research & Instrumentation, Inc., "Liquid Crystall Tunable Filter," Cambridge, MA 2 pages.	
		Displaytech, Inc. (Jan., 1996), "Switchable Color Filter", Boulder, CO, 4 pages.	
		Title, A.M. and Rosenberg, W.J., "Tunable birefringent filters," Opt. Eng., (1981) 20(6):815-823.	
		Solc, Ivan, "Birefringent Chain Filters," J. Opt. Soc. Am. (1965) 55(8):821-825.	
		Wu, Shin-Tson, "Birefringence dispersions of liquid crystals," Physical Review A. (1986) 33(2):1270-1274.	
		Harris, S.E., et al., "Optical Network Synthesis Using Birefringent Crystals, I. Synthesis of Lossless Networks of Equal-Length Crystal," J. Opt. Soc. America (1964) 54(10):1267-1279.	
		Amman, E.O., "Optical Network Synthesis Using Birefringent Crystals, III., Some General Properties of Lossless Birefringent Networks," J. Opt. Soc America (1966) 56(7):943-951.	
		Amman, E.O. and Yarborough, J.M., "Optical Network Synthesis Using Birefringent Crystals V. Synthesis of Lossless Networks Containing Equal-Length Crystals and Compensators," J. Opt. Soc America (1966) 56(12): 1746-1754.	
		Sharp, G.D., et al., "P-60: Color Switching Using Ferroelectric Liquid Crystals," Society for Information Display, International Symposium, Digest of Technical Papers, Vo., XXIV, Seattle, Washington, May 18-20, 1993.	
WDS		Kondo, et al., "Ferroelectric Liquid Crystal Materials Applied to Guest-Host Type Displays," Ferroelectrics (1988) 85:361-373.	

Examiner Signature	W Dowling	Date Considered	2/24/04
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		Filing Date	12/15/2000
		First Named Inventor	Johnson
		Art Unit	2851
		Examiner Name	Dowling
Sheet 5	of 6	Attorney Docket Number	95121961.114002

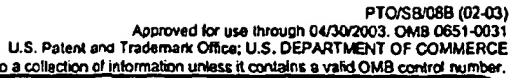
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WD		Billings, BH., "A Tunable Narrow-Band Optical Filter," J., Opt. Soc. America (1947) 37:738-746.	
		Buhrer, Carl F., "Synthesis and tuning of high-order birefringent filters," Applied Optics (Apr. 20, 1994) 33(12): 2249-2254.	
		Y. Wang; "Surface Plasmon Tunable Color Filter and Display Device;" Society for Informaion Display International Symposium Digest of Technical Papers; vol. 28, pp. 63-66, May 1997	
		F.H. Yu and H.S. Kwok; "A New Driving Scheme for Reflective Bistable Cholesteric LCDs;" 1997 Society for Information Display Information Symposium Digest of Technical Papers; p. 659, May, 1997.	
		Y. Nakai, "A Reflective Tri-Layer Guest-Host Color TFT-LCD;" 1997 Society for Information Display International Symposium Digest of Technical Papers; p. 83, May, 1997.	
		Bernard M. Schiffman, et al., "Birefringent Filter for Millimeter Waves," IEEE Transactions on Microwave Theory and Techniques, vol. MIT-16, No. 6, Jun. 1968.	
		Title, A.M., "Improvement of Birefringent Filters. 2: Achromatic Waveplates," Applied Optics (Jan. 1975) 14(1):229-237.	
		McIntyre, C.M. and Harris, S.E., "Achromatic Wave Plates for the Visible Spectrum," J. Opt. Soc. of America (Dec. 1968) 58(12): 1575-1580.	
WDS		Koester, Charles J., "Achromatic Combinations of Half-Wave Plates," J. Opt. Soc. Of America (Apr. 1959) 49(4):405-409.	

Examiner Signature	<i>WD Dowling</i>	Date Considered	2/24/04
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Complete if Known

Application Number	09/736,135
Filing Date	12/15/2000
First Named Inventor	Johnson
Art Unit	2851
Examiner Name	Dowling
Attorney Docket Number	95121961.114002

(Use as many sheets as necessary)

Sheet	6	of	6
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[illegible]

Examiner Signature	W. Downing	Date Considered	2/24/04
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